

Figure 1

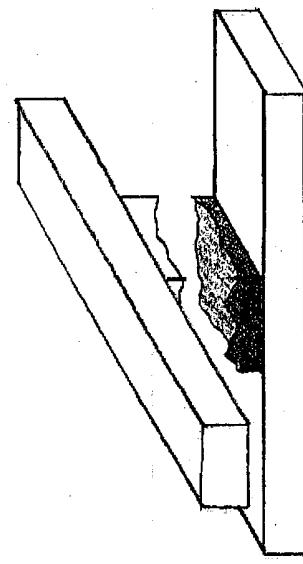
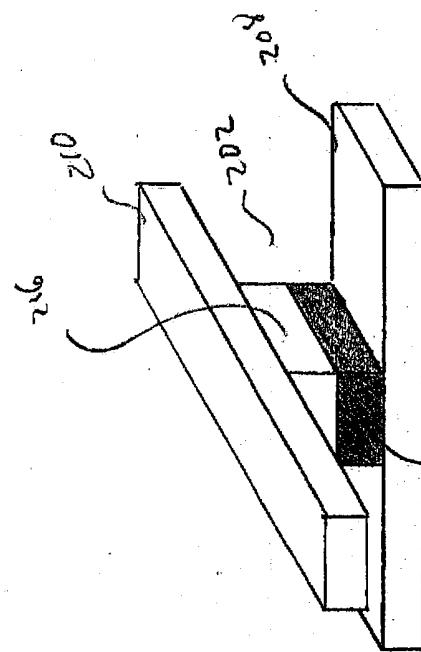


Figure 2B



204 Figure 2A

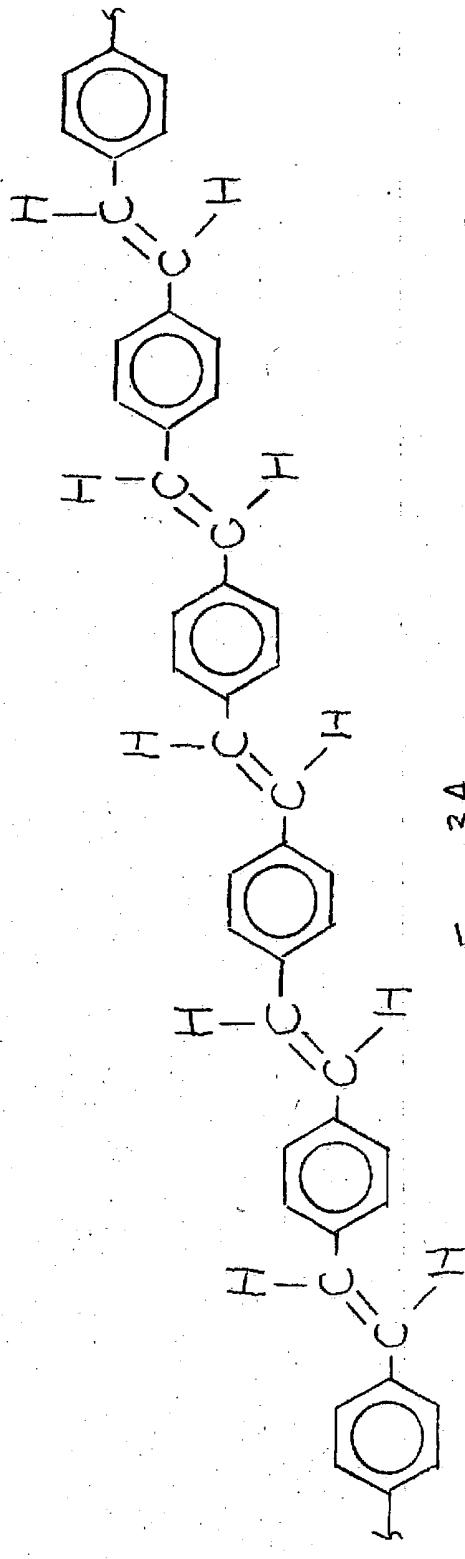


Figure 3A

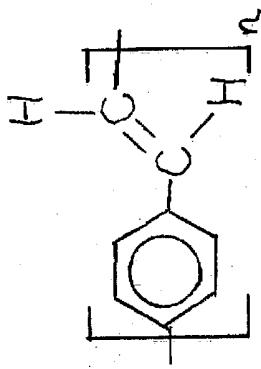


Figure 3B

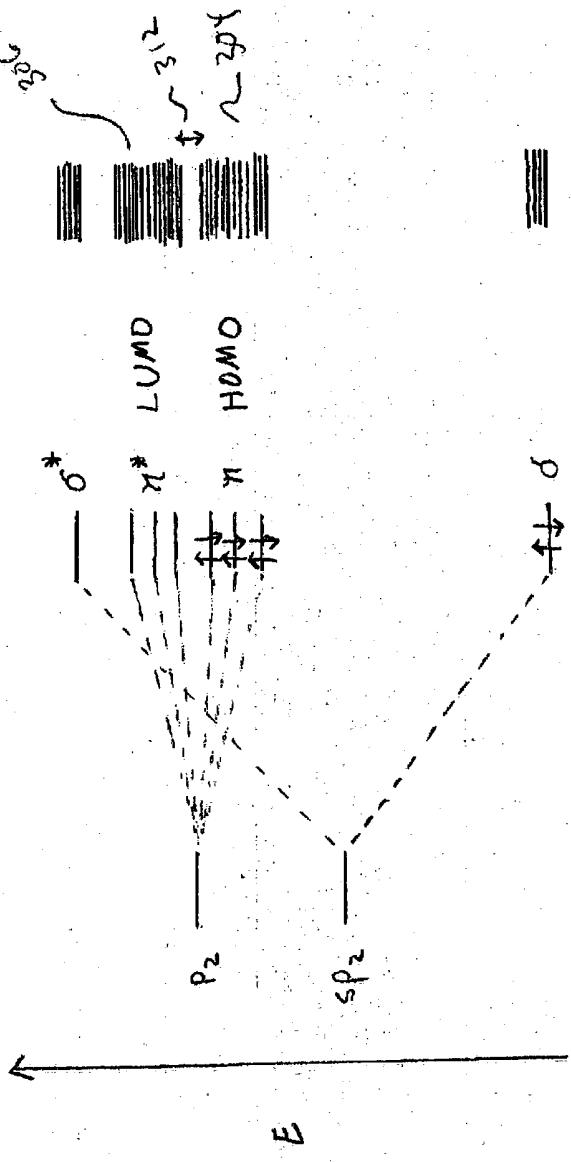


Figure 3C

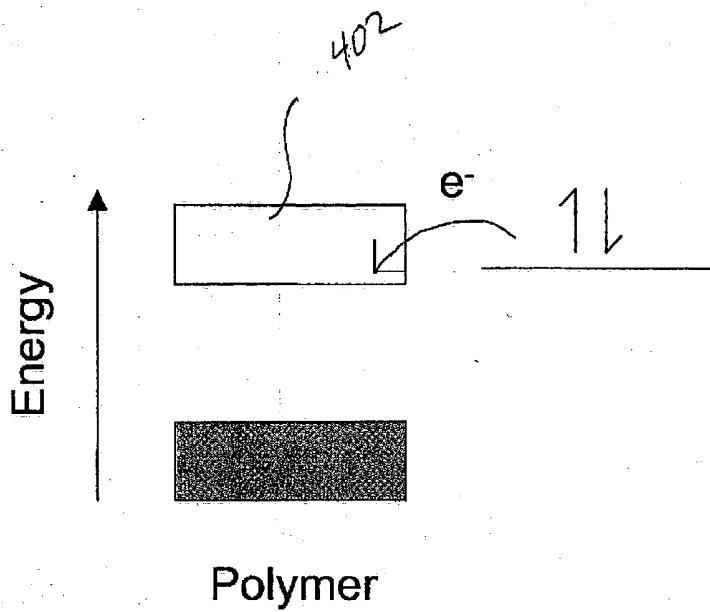


Figure 4A

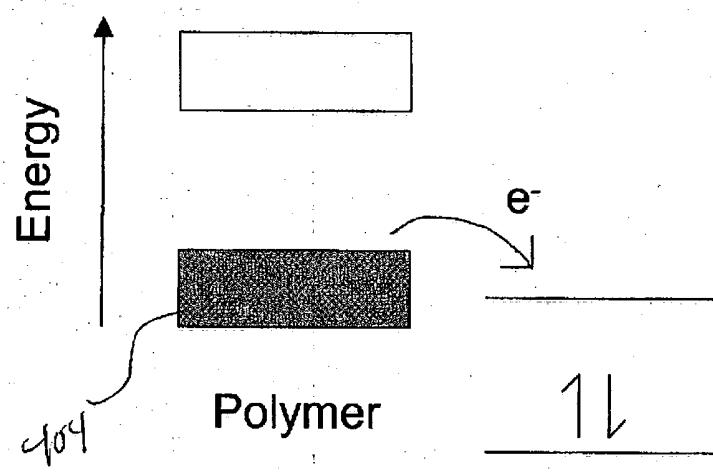


Figure 4B

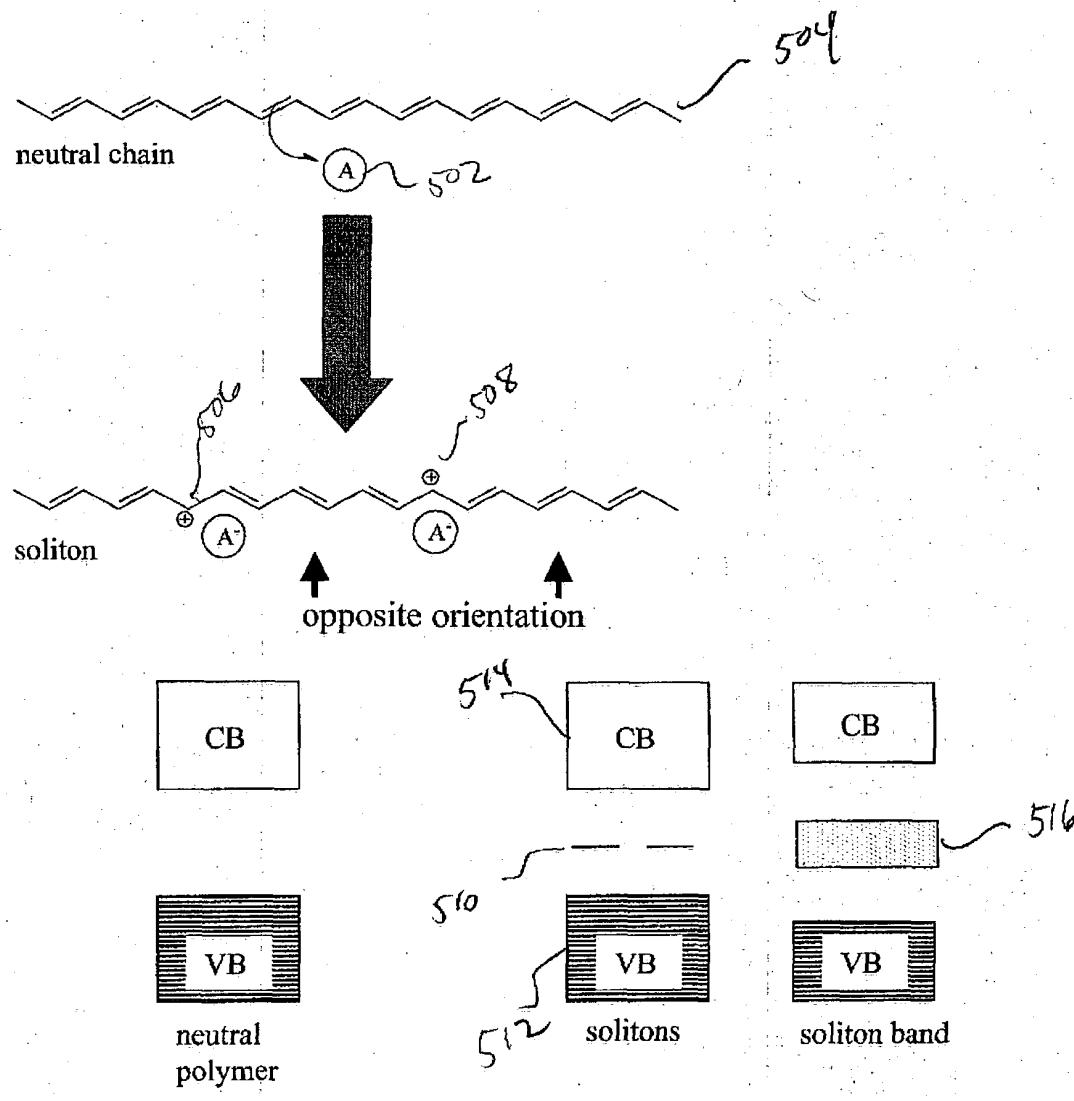
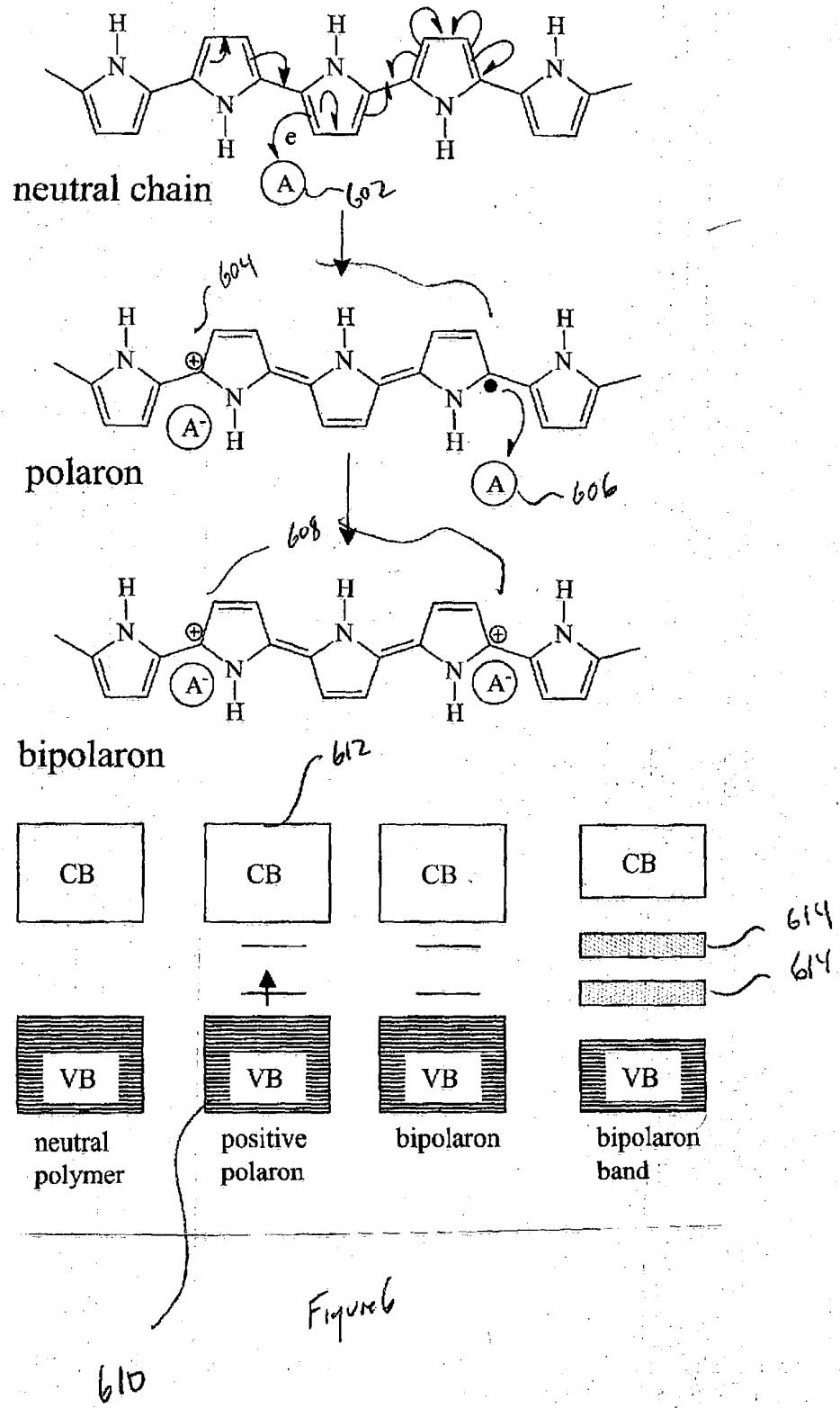


Figure 5



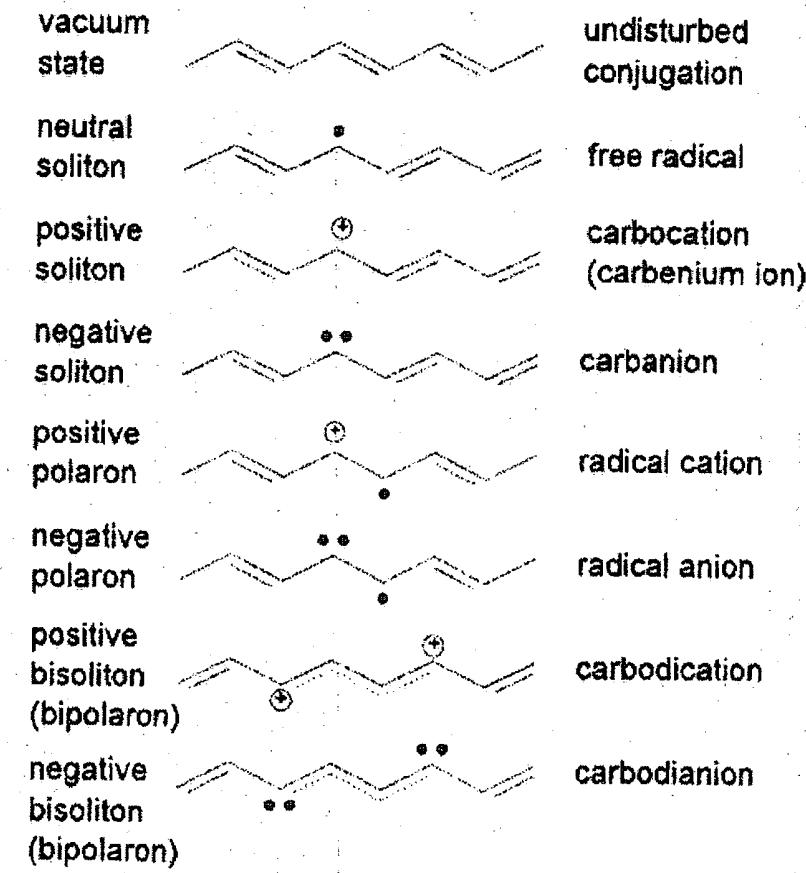
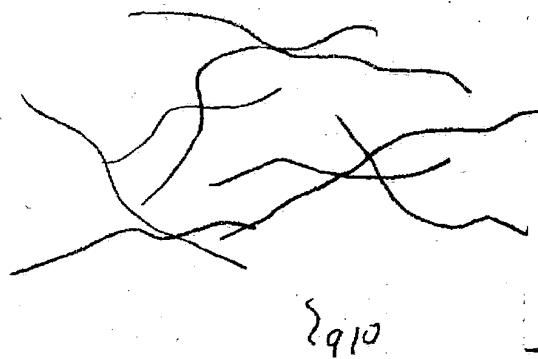


Figure 7

polymer	structure	dopants
polyacetylene		I_2, Br_2, Li, Na, AsF_5
poly pyrrole		BF_4^-, ClO_4^-
polythiophene		BF_4^-, ClO_4^-
poly (3-alkyl thiophene)		BF_4^-, ClO_4^-
polyphenylene sulphide		AsF_5
polyphenylacetylene		AsF_5
polythiophylacetylene		AsF_5
polyphenylene		AsF_5, Li, Na

polymer	structure	dopants
poly(isothianaphthylene)		BF_4^- , ClO_4^-
polyazulene		BF_4^- , ClO_4^-
polyfuran		BF_4^- , ClO_4^-
polyaniline		HCl
poly(3,4-ethylene dioxythiophene)		

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{910}

902

700?

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2
912

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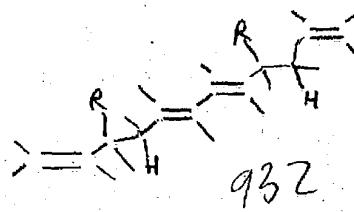
916

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a24

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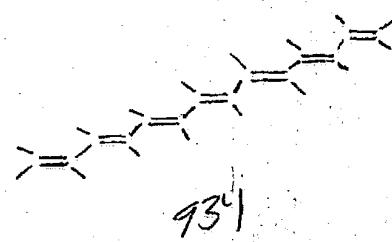


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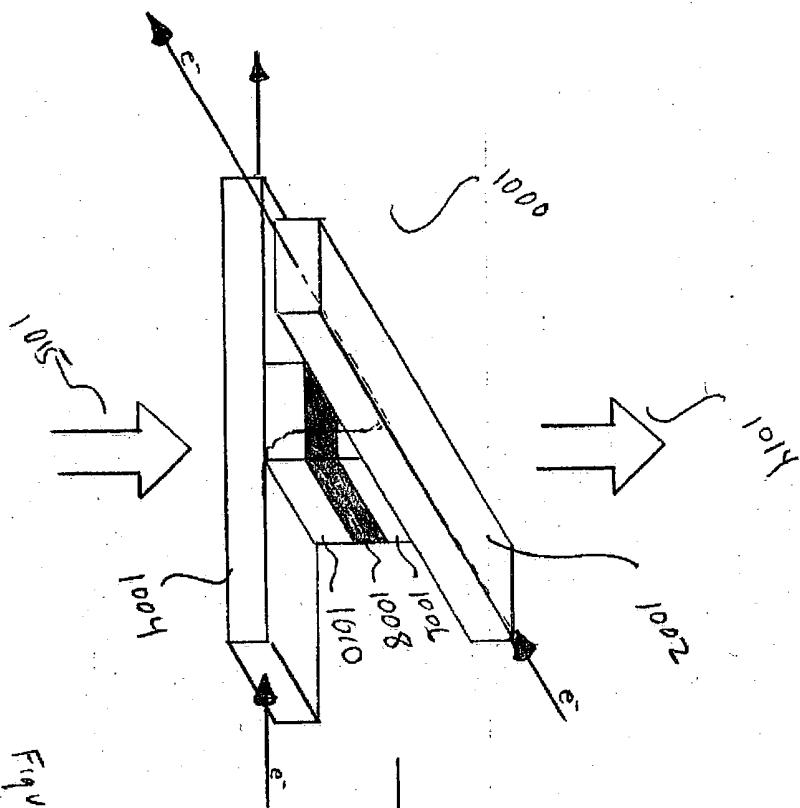
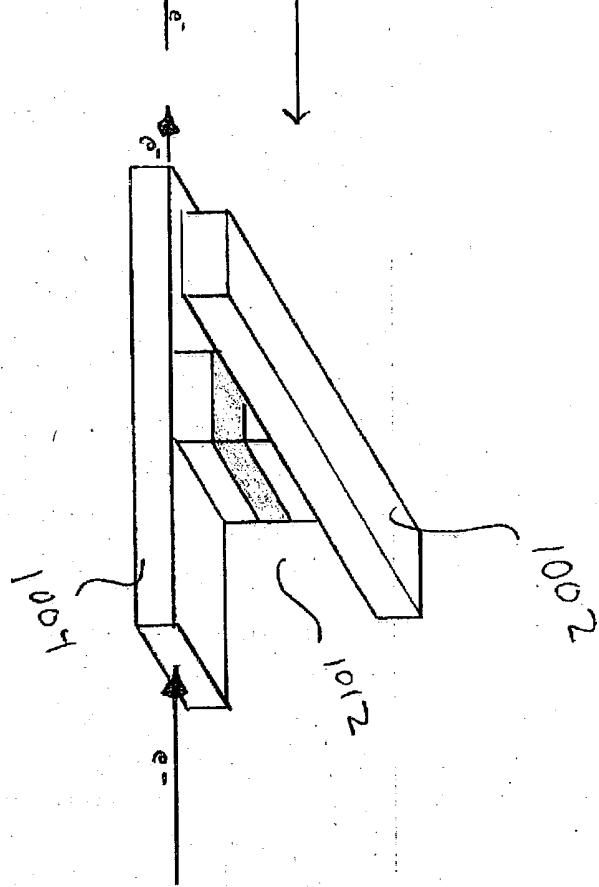


Figure 10



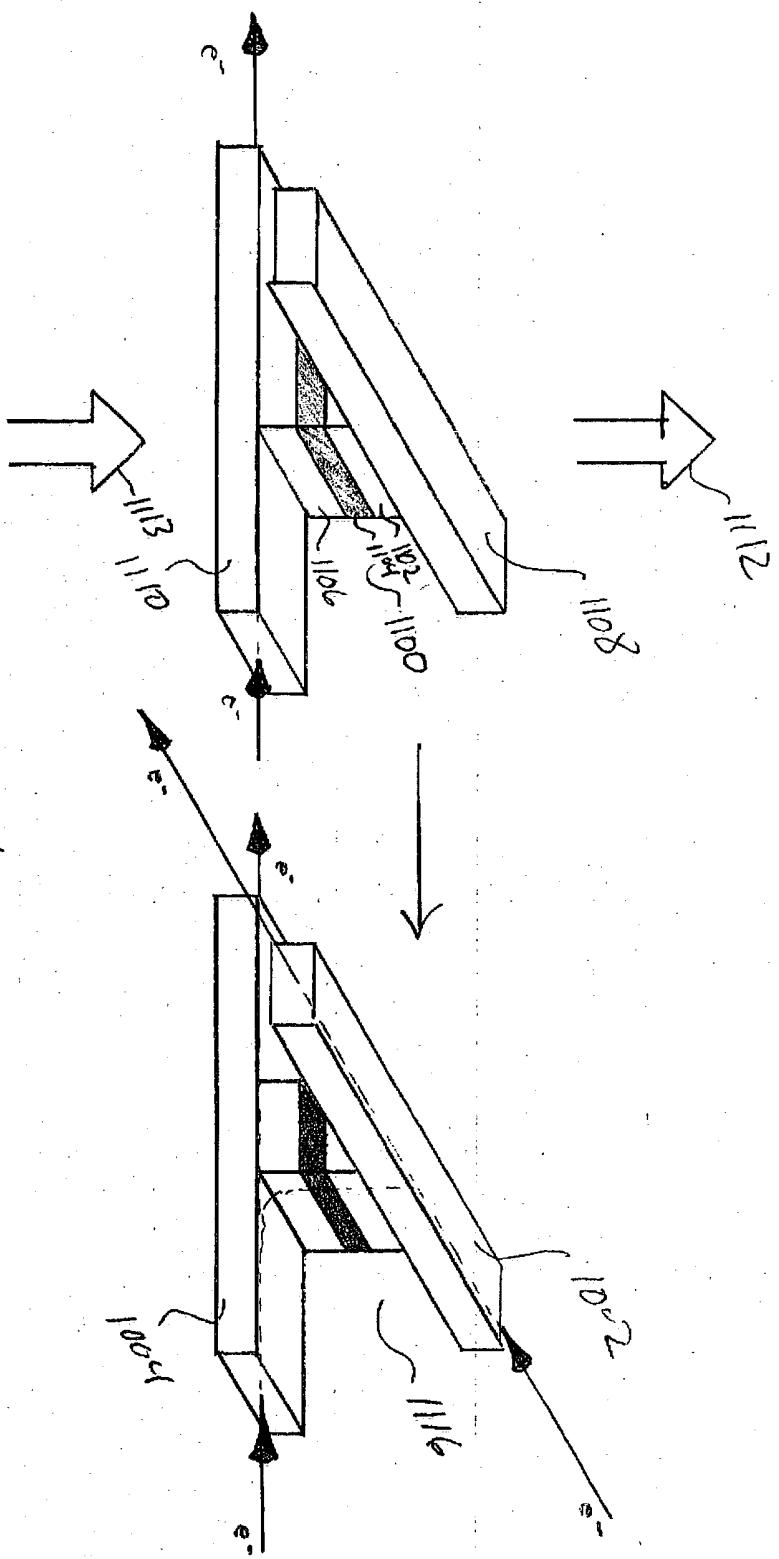


Figure 11